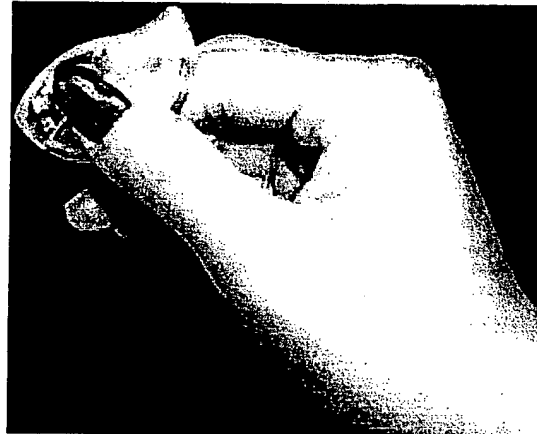


Mice Kingdom' Revolution



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FinRing

Advantages Over a Standard Mouse

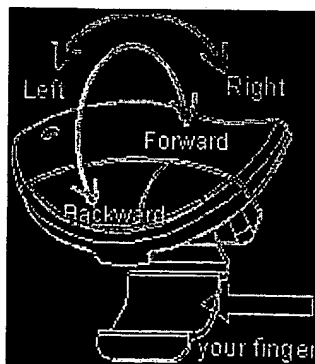
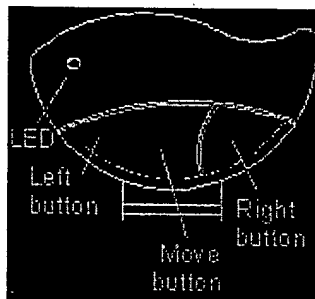
- no dragging your hand to move the cursor
- no desktop space required
- FinRing just fits on your finger - there is no need to move your hand between the keyboard and mouse during typing
- wireless
- no flat surface required - operates in your lap
- human natural control design gives intuitive feel - your body will understand where and how to move
- no moving to clean

Advantages Over Other Wireless Mice

- operating frequency of 433.92 MHz is more stable than 27 MHz.
- individual code allows several devices to work at the same time in the same room

Disadvantages Compared to A Standard Mouse

- regular mouse users may need a few minutes of practice to adjust to the new motion, though first time mouse users will have not problem
- IATA regulations do not allow the use of any RF devices during air flight



FinRing

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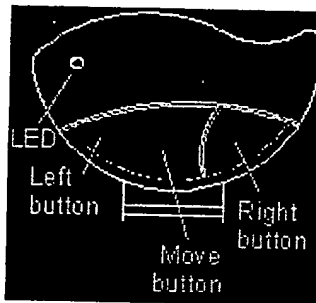
webmaster: webmaster@bosswave.com



how it works

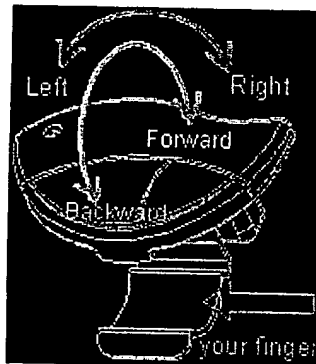
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how it Works (non-technical explanation)


The FinRing radio receiver sits beside your monitor and plugs into the USB port of your computer or Play Station. The FinRing itself is worn on the forefinger of your hand. Move your hands freely as you type, and when you want to move the mouse icon, turn the FinRing to a horizontal position and activate it with a thumb click on its middle button. Tilt your wrist from left to right, and from front to back at small angles and watch the icon glide around the screen following your tilts. Remember: you do not need to drag your hand, just tilt it at the wrist. The steeper the angle that you tilt, the faster the icon will move across the screen. You can freeze the cursor movement by re-clicking the middle button. The other two buttons on the FinRing, work just like the left and right buttons of a standard mouse. With five minutes of training you can glide the icon around smoothly enough to write your name. The receiver acts like a holder so you can lay the FinRing down when not in use.



how it Works (technical explanation)

The FinRing device consists of a transmitter and a receiver. The receiver is plugs into the USB port of your computer or play station and the transmitter is worn on the forefinger of the user. The operator controls cursor movement by tilting the hand at the wrist, after turning the mouse on with a middle button click. An internal ADXL202 accelerometer (made by Analog Devices) measures current gravity values on an X-Y axes and reports the values for calculation to a DSP embedded in the transmitter. These values depend on current tilt angle of user's wrist. As the wrist angle changes, the new axis values are recalculated to relate to a new screen position of the mouse icon. The steeper the angle, the faster the mouse icon moves. The icon motion can be stopped by leveling the hand or by re-clicking the middle FinRing button. The FinRing encodes the position data with a personal key, and then transmits to its receiver at 433.92 MHz. This frequency is stabilized by a SAW resonator for optimal precision. The receiver has logarithmic characteristics to achieve a stable performance in potentially noisy computer environments. It decodes and validates incoming data with the personal key and updates the CPU with icon position and button state reports. As a result the mouse icon slides across the screen as the user tilts his or her wrist.

note: Devices listed above are patented.

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how it looks

finring and receiver



finring main view



finring side view



desktop with finring



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